

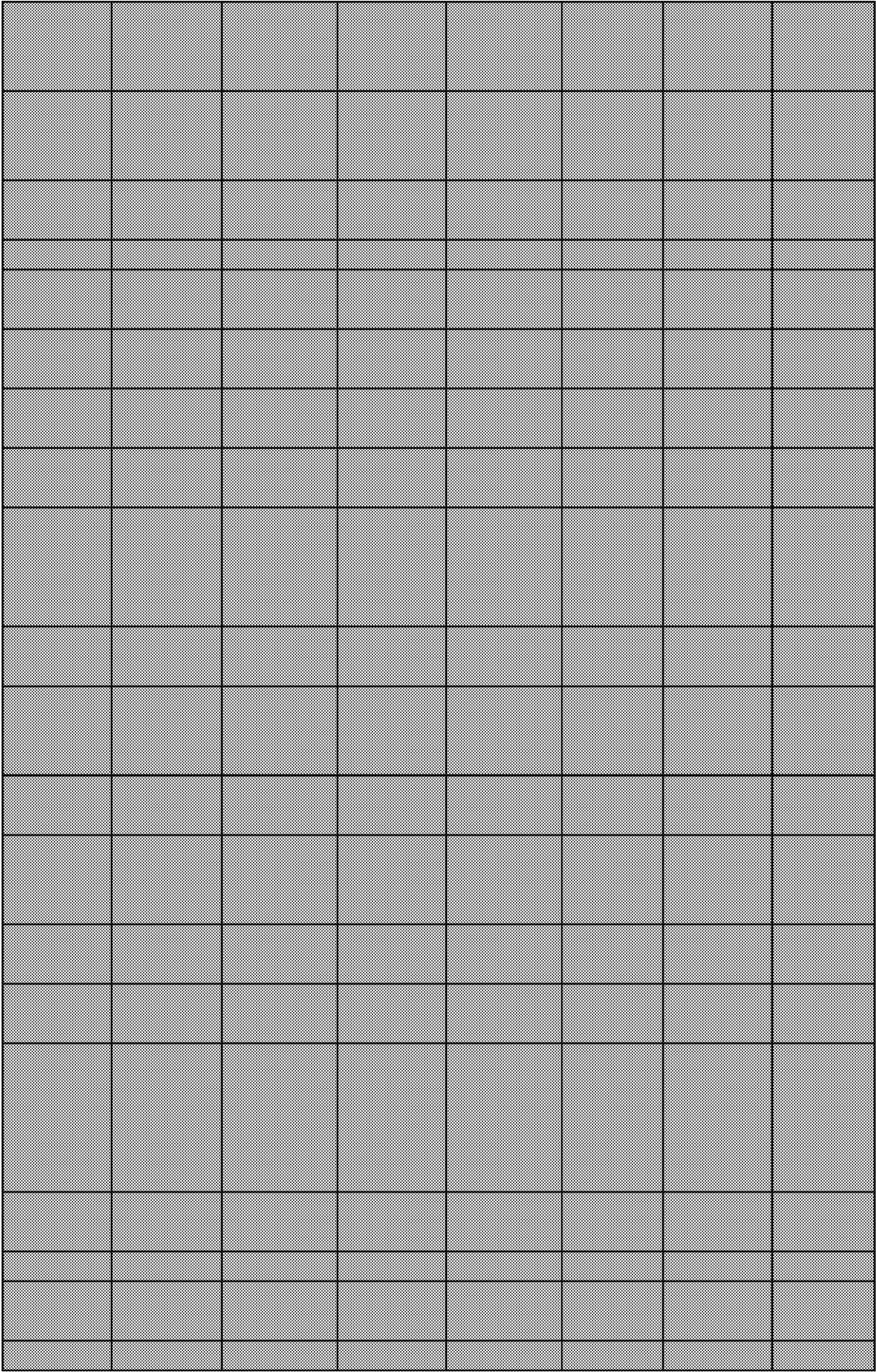
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W. D. Di Marzio, M. C. Tortorelli. Effects of paraquat on survival and total cholinesterase activity in fry of <i>Cnesterodon decemmaculatus</i> (Pisces, Poeciliidae). <i>Bull Environ Contam Toxicol</i> . 1994. 52:274-8
E. M. Diaz Kirmser, D. O. Martire, M. C. Gonzalez, J. A. Rosso. Degradation of the herbicides clomazone, paraquat, and glyphosate by thermally activated peroxydisulfate. <i>J Agric Food Chem</i> . 2010. 58:12858-62
G. B. Diekert, R. K. Thauer. Carbon monoxide oxidation by <i>Clostridium thermoaceticum</i> and <i>Clostridium formicoaceticum</i> . <i>J Bacteriol</i> . 1978. 136:597-606
A. D. Dodge, N. Harris. The mode of action of paraquat and diquat. <i>Biochem J</i> . 1970. 118:43p-44p
R. Drew, Z. S. Siddik. Drug uptake by lung slices from paraquat-pretreated rats. <i>Experientia</i> . 1981. 37:1093-5
Y. Du, Y. Jin. [Effect of far-ultraviolet radiation on lipid peroxidation and inherent protection system in seedlings of <i>Taxus cuspidata</i> ]. <i>Ying Yong Sheng Tai Xue Bao</i> . 2000. 11:660-4
B. J. Dull, J. H. Hotchkiss. Activated oxygen and mammalian nitrate biosynthesis. <i>Carcinogenesis</i> . 1984. 5:1161-4
D. A. Dunn, V. H. Lin, I. E. Kochevar. Base-selective oxidation and cleavage of DNA by photochemical cosensitized electron transfer. <i>Biochemistry</i> . 1992. 31:11620-5
R. I. Eggen, R. van Kranenburg, A. J. Vriesema, A. C. Geerling, M. F. Verhagen, W. R. Hagen, W. M. de Vos. Carbon monoxide dehydrogenase from <i>Methanosarcina frisia</i> Go1. Characterization of the enzyme and the regulated expression of two operon-like <i>cdh</i> gene clusters. <i>J Biol Chem</i> . 1996. 271:14256-63
Y. Elbaz, T. Salomon, S. Schuldiner. Identification of a glycine motif required for packing in EmrE, a multidrug transporter from <i>Escherichia coli</i> . <i>J Biol Chem</i> . 2008. 283:12276-83
O. Elroy-Stein, Y. Bernstein, Y. Groner. Overproduction of human Cu/Zn-superoxide dismutase in transfected cells: extenuation of paraquat-mediated cytotoxicity and enhancement of lipid peroxidation. <i>Embo j</i> . 1986. 5:615-22
E. F. Elstner, A. Heupel. Involvement of the superoxide free radical ion in photosynthetic oxygen reduction. <i>Z Naturforsch C</i> . 1974. 29c:559-63
S. A. Ensign, P. W. Ludden. Characterization of the CO oxidation/H <sub>2</sub> evolution system of <i>Rhodospirillum rubrum</i> . Role of a 22-kDa iron-sulfur protein in mediating electron transfer between carbon monoxide dehydrogenase and hydrogenase. <i>J Biol Chem</i> . 1991. 266:18395-403
D. L. Erbes, R. H. Burris. The kinetics of methyl viologen oxidation and reduction by the hydrogenase from <i>Clostridium pasteurianum</i> . <i>Biochim Biophys Acta</i> . 1978. 525:45-54
A. I. Erkova. [Oxygen therapy in toxic pulmonary edema of various etiologies (review of the literature)]. <i>Voen Med Zh</i> . 1985. #volume#:58-60
G. Eshel, R. Shaked, Y. Kazachkova, A. Khan, A. Eppel, A. Cisneros, T. Acuna, Y. Gutterman, N. Tel-Zur, S. Rachmilevitch, A. Fait, S. Barak. <i>Anastatica hierochuntica</i> , an Arabidopsis Desert Relative, Is Tolerant to Multiple Abiotic Stresses and Exhibits Species-Specific and Common Stress Tolerance Strategies with Its Halophytic Relative, <i>Eutrema</i> ( <i>Thellungiella</i> ) <i>salsugineum</i> . <i>Front Plant Sci</i> . 2016. 7:1992
R. D. Fairshter, S. M. Rosen, W. R. Smith, F. L. Glauser, D. M. McRae, A. F. Wilson. Paraquat poisoning: new aspects of therapy. <i>Q J Med</i> . 1976. 45:551-65
J. P. Famaey. Free radicals and activated oxygen. <i>Eur J Rheumatol Inflamm</i> . 1982. 5:350-9
L. Fang, P. Fan, Y. Yang, J. Zhou, H. Shen, W. Fang. A serine/threonine phosphatase 1 of <i>Streptococcus suis</i> type 2 is an important virulence factor. <i>J Vet Sci</i> . 2017. #volume#: #pages#
G. Forget. Pesticides and the Third World. <i>J Toxicol Environ Health</i> . 1991. 32:11-31

Activated sodium peroxydisulfate has the potential to in situ destruct many organic contaminants because of the generation of highly reactive sulfate radicals.
Cultures of <i>Clostridium formicoaceticum</i> and <i>C. thermoaceticum</i> growing on fructose and glucose, respectively, were shown to produce hydrogen gas.
The effect of far-ultraviolet radiation on lipid peroxidation and inherent protection system in seedlings of <i>Taxus cuspidata</i> was studied.
The oxidation of NH <sub>3</sub> to NO <sub>3</sub> <sup>-</sup> by rat liver in vitro is described. A xanthine-xanthine oxidase reaction also oxidized NH <sub>3</sub> to NO <sub>3</sub> <sup>-</sup> .
A photochemical mechanism for single-strand cleavage of DNA is proposed in which a photoexcited intercalator transfers energy to the DNA.
Carbon monoxide dehydrogenase (Cdh) has been anaerobically purified from <i>Methanosarcina frisia</i> Go1. The enzyme is a dodecamer with a molecular weight of 120 kDa.
Glycine residues may play functional and structural roles in membrane proteins. In this work we studied the role of glycine residues in the structure and function of the membrane protein, the Na <sup>+</sup> /K <sup>+</sup> ATPase.
The 'housekeeping' enzyme Cu/Zn-superoxide dismutase (SOD-1) is encoded by a gene residing on human chromosome 21.
The response of the membrane-associated carbon monoxide dehydrogenase (CODH) from <i>Rhodospirillum rubrum</i> to soluble carbon monoxide was studied.
A mechanism for the reduction and oxidation of methyl viologen by <i>Clostridium pasteurianum</i> hydrogenase (hydrogen:ferredoxin oxidoreductase) is proposed.
The search for novel stress tolerance determinants has led to increasing interest in plants native to extreme environments.
Clinical, laboratory, and pulmonary physiologic features of three fatal cases of paraquat poisoning are presented. Experimental studies suggest that the toxic effects of paraquat are mediated by the generation of reactive oxygen species.
Superoxide anion (O <sub>2</sub> <sup>-2</sup> ), hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) and hydroxyl radical (OH.) are products of the biological reduction of oxygen.
<i>Streptococcus suis</i> is regarded as one of the major pathogens of pigs while <i>S. suis</i> type 2 (SS2) is considered to be a zoonotic pathogen.
Many developing countries are importing industrial processes that make use of toxic chemicals. By the same token, pesticides are also imported.







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H. J. Forman, J. Nelson, A. B. Fisher. Rat alveolar macrophages require NADPH for superoxide production in the respiratory burst. Effect of NADPH depletion by paraquat. <i>J Biol Chem.</i> 1980. 255:9879-83
D. M. Fraser, P. A. Lindahl. Evidence for a proposed intermediate redox state in the CO/CO(2) active site of acetyl-CoA synthase (Carbon monoxide dehydrogenase) from <i>Clostridium thermoaceticum</i> . <i>Biochemistry.</i> 1999. 38:15706-11
I. Fridovich. The biology of oxygen radicals. <i>Science.</i> 1978. 201:875-80
S. Fuchs, D. Zuhlke, J. Pane-Farre, H. Kusch, C. Wolf, S. Reiss, T. N. Binh le, D. Albrecht, K. Riedel, M. Hecker, S. Engelmann. Aureolib - a proteome signature library: towards an understanding of <i>staphylococcus aureus</i> pathophysiology. <i>PLoS One.</i> 2013. 8:e70669
M. Fujikawa, K. Kobayashi, Y. Tsutsui, T. Tanaka, T. Kozawa. Rational Tuning of Superoxide Sensitivity in SoxR, the [2Fe-2S] Transcription Factor: Implications of Species-Specific Lysine Residues. <i>Biochemistry.</i> 2017. 56:403-410
P. Fuochi, G. Marconi, Q. Mulazzani. Radiolytically induced one-electron reduction of artemisinin in H <sub>2</sub> O/ethanol (1:1 v/v) solution: a pulse radiolysis study. <i>Int J Radiat Biol.</i> 2005. 81:319-26
I. Furusawa. [Production of paraquat resistant plants]. <i>Tanpakushitsu Kakusan Koso.</i> 1988. 33:3184-8
P. R. Gardner, I. Fridovich. Superoxide sensitivity of the <i>Escherichia coli</i> 6-phosphogluconate dehydratase. <i>J Biol Chem.</i> 1991. 266:1478-83
P. R. Gardner, I. Fridovich. Inactivation-reactivation of aconitase in <i>Escherichia coli</i> . A sensitive measure of superoxide radical. <i>J Biol Chem.</i> 1992. 267:8757-63
S. J. George, S. Kurkin, R. N. Thorneley, S. P. Albracht. Reactions of H <sub>2</sub> , CO, and O <sub>2</sub> with active [NiFe]-hydrogenase from <i>Allochromatium vinosum</i> . A stopped-flow infrared study. <i>Biochemistry.</i> 2004. 43:6808-19
C. M. Gibson, M. G. Caparon. Insertional inactivation of <i>Streptococcus pyogenes</i> sod suggests that prtF is regulated in response to a superoxide signal. <i>J Bacteriol.</i> 1996. 178:4688-95
C. N. Gillis, J. D. Catravas. Altered removal of vasoactive substances in the injured lung: detection of lung microvascular injury. <i>Ann N Y Acad Sci.</i> 1982. 384:458-74
S. N. Giri, M. A. Hollinger. The inhibitory effect of paraquat on histamine and isoproterenol induced changes of cyclic nucleotides in rat lung slices. <i>Experientia.</i> 1979. 35:1219-20
V. Gladyshev Iu, S. I. Kolesnikov, A. V. Semeniuk, A. V. Sviridov. [Morphological evidence of the possible role of cytochrome P-450 in the development of an autoimmune process in the liver]. <i>Biull Eksp Biol Med.</i> 1991. 112:546-9
Y. Gong, Z. H. Meng, Y. Shi, H. B. Gao, Y. L. Jin, Y. P. Tian, H. W. Shi. [The expressions of intercellular adhesion molecule-1 in renal tissue of rats with paraquat poisoning and the effect of melatonin]. <i>Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi.</i> 2016. 34:194-8
A. Gorchein. Control of magnesium-protoporphyrin chelatase activity in <i>Rhodospseudomonas spheroides</i> . Role of light, oxygen, and electron and energy transfer. <i>Biochem J.</i> 1973. 134:833-45
K. Grankvist, J. Sehlin, I. B. Taljedal. Rubidium uptake by mouse pancreatic islets exposed to 6-hydroxydopamine, ninhydrin, or other generators of hydroxyl radicals. <i>Acta Pharmacol Toxicol (Copenh).</i> 1986. 58:175-81
F. Gravina, T. Dobrzanski, L. R. Olchanheski, C. W. Galvao, P. M. Reche, S. A. Pileggi, R. A. Azevedo, M. J. Sadowsky, M. Pileggi. Metabolic Interference of sod gene mutations on catalase activity in <i>Escherichia coli</i> exposed to Gramoxone(R) (paraquat) herbicide. <i>Ecotoxicol Environ Saf.</i> 2017. 139:89-96

Alveolar macrophages can be stimulated by concanavalin A to produce extracellular superoxide. Conflicting opinions exist
When samples of the enzyme in the C(red1) state were reduced with Ti(3+) citrate, the C-cluster stabilized in an EPR-silent
The reactive superoxide radical, O <sub>2</sub> <sup>-</sup> , formerly of concern only to radiation chemists and radiobiologists, is now understood
Gel-based proteomics is a powerful approach to study the physiology of Staphylococcus aureus under various growth res
In Escherichia coli, the [2Fe-2S] transcriptional factor, SoxR, functions as a sensor of oxidative stress. The transcriptional a
The aim was to obtain information on the one-electron reduction of the antimalarial natural drug artemisinin (ART). The
The activity of 6-phosphogluconate dehydratase was significantly lower in extracts of aerobically grown Escherichia coli c
The rapid inactivation of aconitase by O <sub>2</sub> <sup>-</sup> , previously seen to occur in vitro, was explored in vivo. A fraction of the aconit
The Ni-Fe site in the active membrane-bound [NiFe]-hydrogenase from Allochromatium vinosum can exist in three differ
In establishing an infection, Streptococcus pyogenes has the capacity to bind to the host extracellular matrix protein fibro
The incubation of rat lung slices with paraquat ion (10 <sup>-4</sup> M) had no effect on cAMP and cGMP levels of the rat lung slice
Morphological alterations in rat's liver during lipid peroxidation induction by paraquat were studied. Infiltration of liver by
OBJECTIVE: To study the mechanism of paraquat (PQ) -induced renal injury in rats, the expression changes of ICAM-1 to a
1. Magnesium-protoporphyrin chelatase activity, previously shown in whole cells of Rhodospseudomonas spheroides, cou
The purpose was to study the toxicity of drugs known to generate free radicals on isolated pancreatic islets. The accumul
Herbicides are continuously used to minimize the loss of crop productivity in agricultural environments. They can, howev

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